

Additives or Tracers Reviewed by NC DHHS to Inject into Groundwater

Note: All additives should be handled per the precautions indicated on product labeling and MSDS sheets (if applicable), and not injected to adversely impact water supply wells.

| <u>Purpose</u> | <u>Additive Name</u> | <u>Manufacturer</u> | <u>BIMS Permit Types</u> |
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| Chemical Oxidation | "On-Contact" Fenton's Process | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Calcium Peroxide (e.g., IXPER 70C) | n/a (e.g., Solvay Chemicals) | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Cool-Ox | DeepEarth Technologies, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Fenton's Reagent (FeSO ₄ & H ₂ O ₂) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | GeoCleanse | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Hydrogen Peroxide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | ISOTEC Fenton's Reagent (hydrogen peroxide) | TMC Chemicals | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Klozur CR | FMC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Ozone | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | PersulfOx | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Potassium Bicarbonate | Solutions-IES/Armand Products Co. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Potassium Permanganate (RemOx) | Carus Chemical | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Potassium Persulfate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Provect-OX | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Provect-OX2 (ferric activated persulfate) | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | RegenOx | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | RemRx TM CRP | Technology Development Group, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Sodium Permanganate | Carus Chemical | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Sodium Persulfate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Oxidation | Soil Savers | Soil Savers | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | AquaZVI, S-MicroZVI, and S-MZVI | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Calcium Polysulfide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Cat 100 | RPI Remediation Products, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | EHC | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | EHC-A | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | EHC-M | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |

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| Chemical Reduction | Emulsified Zero-Valent Iron | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Palladized Iron | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Provectus-EZVI | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Provectus-IRM | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Provectus-IR | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Provectus-ORS | Provectus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Sodium Bisulfite | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Sodium Dithionite | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Sodium Metabisulfite | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Sodium Sulfite | Esseco USA, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | Zero-valent Iron | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Chemical Reduction | ZVI & Molasses Slurry | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | 1% milk solution in water | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | 3-D Microemulsion (HRC-Advanced) | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | ABC | Redox Tech, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | ABC+ | Redox Tech, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Ammonium Nitrate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Ammonium Phosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | AquaBupH | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | BAC-9 (originally SDC-9 & also known as RTB-1)(microbial Dehalococcoides [DHC]) | Shaw Environmental for EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Beverage Remediation Product (BRP) | Pepsi Bottling Ventures | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | DGG-B Culture | SiREM/Orin Technologies | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EnviroBAC (formerly ProgressBlend) | Progress Environmental (Bio-Cat Microbials) | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Bio-Dechlor INOCULUM | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Bio-Integration | ERC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | BioRem 2000 Oil Digester and Nutrient Blend | Clift Industries | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | TerraStryke (formerly BioStryke) – ERD Enhanced* | TerraStryke (formerly BioStryke) Remediation Products, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey is attached with NOI) |
| Enhanced Bioremediation | Black Biomass | VEETech | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |

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| Enhanced Bioremediation | Blackstrap Molasses | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Blue-Green Algae | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | BOS 100 & 200 | RPI | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Butyric acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Calcium Hydroxide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Calcium Propionate | Niacet Corporation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CarBstrate | ETEC, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CBN Nutrient Amendment | ETEC, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CHITROREM SC-20 Chitin Complex | JRW Bioremediation, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CHITROREM SC-80 Chitin Complex | JRW Bioremediation, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CL-Out | Osprey Biotechnics | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | CoBupH-Mg | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Dextrose | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Di-Ammonium Phosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EAS | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Electron Donor Solution (EDS)-ER | Tersus Environmental | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EHC | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EHC-A | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EHC-L | FMC Corporation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EHC-M | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EHC-O | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EN RX | EN Rx, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS 400 | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS 450 | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS 598 | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS Pro (Formerly EOS 598-B42) | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS 600 | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS 600EX | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS QR | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |

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| Enhanced Bioremediation | EOS XR | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS ZVI | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EOS Plus | EOS Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Ethyl Lactate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | EZT-A2 | ETEC, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | FeEDTA | PeroxyChem | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | GR-320-IRC | Geologic Restoration, PLLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | High Fructose Corn Syrup (HFCS) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Corn Starch | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | HRC | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | HRC-X | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Hydrogen | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | KB-1 | SiREM Laboratories | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | KB-1 Plus | SiREM Laboratories | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | KB-1 Primer | SiREM Laboratories | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Kelp | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Lactic acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | LactOil | JRW Bioremediation, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | LFS-1 Bioremediation Microbial Consortium | Micro- TES, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Magnesium Sulfate (Epsom Salt) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Methanol | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Micro-Bac | Micro-Bac | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Molasses | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Monosodium Phosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Munox | Osprey Biotechnics | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Neutral Zone | Remediation & Natural Attenuation Services | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Newman Zone | RNAS | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | NutriBind* | Tersus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey is attached with NOI) |

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| Enhanced Bioremediation | Nutrimens* | Tersus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey is attached with NOI) |
| Enhanced Bioremediation | Nutrisulfate (Nitrogen, Sulfate, and Yeast) | Tersus Environmental | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Oil Buster - PRP | Universal Remediation | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | ORC | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | ORC-Advanced | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | O-SOX | Adventus | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Oxygen | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Oxygen BioChem (OBC) | FMC for RedoxTech | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | PermeOx Plus | FMC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | PlumeStop** | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey and stipulations are included with NOI) |
| Enhanced Bioremediation | RTB-1 | Shaw Environmental for RedoxTech | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Sodium Lactate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Sodium Polymetaphosphate (hexametaphosphate) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Sodium Tripolyphosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Soil Rx* | 3 Tier Technologies, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey is attached with NOI) |
| Enhanced Bioremediation | SOS-5300 and Nutrient Blend | Martech Industries | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Soybean Oil | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRC | Geovations | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRC-7 | Geovations | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRC-ER | Geovations | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRS Substrate | Terra Systems | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRS-SD | Terra Systems | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | SRS-FRL | Terra Systems | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Sucrose | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Textral BR 50 | Solae, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Textrol BR | Solae, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | TRiPhasic 12 | Micro-Bac | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | TSI-DC | CB&I (formerly Shaw) for Terra Systems | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |

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| Enhanced Bioremediation | Urea | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Vitamin B12 | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Vitamin B2 | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | WBC-2 | SiREM | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | WillClear Plus | JRW Bioremediation, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | WMI-2000 | WMI International | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Bioremediation | Yeast extract | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Aerosol OT-75 | Sciencelab.com, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Bioavailable Absorbent Media (BAM) | ORIN Technologies | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Biosolve | Westford Chemical | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Calfax 16L-35 (Dowfax 8390) | Pilot Chemical Company | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | EnviroClean 165 | Enviro Clean Products & Services | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Grime Gitter | Clearwater Products, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | Ivey-Sol Surfactant | Ivey International | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |

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| Enhanced Extraction | TASK (formerly MOB-J) | Tersus/Surbec Environmental, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Enhanced Extraction | PetroSolv | ETEC, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Geothermal Closed-Loop (antifreeze) | Environol | WFI Global, Inc. | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Geothermal Closed-Loop (antifreeze) | Ethanol (ethyl alcohol) | n/a | Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (antifreeze) | Propylene Glycol | n/a | Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (biocide) | sodium hypochlorite | n/a | Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (corrosion inhibitor), pH Adjustment, Nutrient | potassium orthophosphate | n/a | Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (corrosion inhibitor), pH Adjustment, Nutrient | potassium polyphosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (corrosion inhibitor), pH Adjustment, Nutrient | sodium polyphosphate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (refrigerant gas) | R-22 | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Deemed Geothermal Aqueous Closed-Loop Well |
| Geothermal Closed-Loop (refrigerant gas) | R-407C | n/a | Injection Deemed Geothermal Direct Expansion Closed-Loop Well |
| Geothermal Closed-Loop (refrigerant gas) | R-410A | n/a | Injection Deemed Geothermal Direct Expansion Closed-Loop Well |
| Other | Calcium Chloride | n/a | Injection Deemed Geothermal Direct Expansion Closed-Loop Well |
| Other | Citric Acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | GR-320 IRC (activated carbon) | Geologic Restoration, PLLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Gum Arabic | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Hydrocarbon Fix | Pureous | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Nitrogen Gas | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Petrofix (activated carbon solution) | Regenesis | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Phosphoric Acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Sodium Ascorbate (Vitamin C Sodium) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Sodium Chloride | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Sulfuric Acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Other | Xanthan Gum | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| pH Adjustment | Acetic Acid | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| pH Adjustment | Calcium Carbonate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| pH Adjustment | EnviroBlend CS* | Premier Chemicals, LLC | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well (if potable well survey is attached with NOI) |

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| pH Adjustment | Magnesium Hydroxide (Versamag) | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| pH Adjustment | Sodium Bicarbonate | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| pH Adjustment | Sodium Hydroxide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Tracer | Eosin Dye | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well |
| Tracer | Fluorescein Dye | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Halon 1211 | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Helium | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Potassium Bromide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Rhodamine WT | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Sodium Bromide | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Sulfur Hexafluoride | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Tinopal Dye | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Uramine Dye | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |
| Tracer | Xanthene Dye | n/a | Non-Discharge Groundwater Remediation, Injection In Situ Groundwater Remediation, Injection Deemed In Situ Groundwater Remediation Well, Injection Deemed Tracer Well, Injection Tracer Well |

*NC DHHS - Occupational and Environmental Epidemiology Branch (OEEB) has granted conditional use of this additive as long as there are no potable water wells within 2000 feet of treatment area.

**NC DHHS - OEEB has granted state-wide approval of this product (PlumeStop) with the following stipulations: (1) no public or private water well within 2000 feet downgradient of application area, (2) no surface water supply within 1500 feet downgradient, and (3) a sufficient monitoring well network needs to be installed to assure there are no impacts of the injection beyond the 2000 foot boundary (DHHS- OEEB needs to be notified if there are any potential impacts beyond the 2000 feet boundary).

List updated 8-8-22